

Message Text

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ORIGIN ERDA-07

INFO OCT-01 EUR-12 ISO-00 ACDA-10 CIAE-00 INR-07 IO-14
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SS-15 SP-02 FEA-01 /098 R

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-----018210 010645Z /17

R 010035Z JUL 77
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW

UNCLAS STATE 153384

E.O. 11652:

TAGS: US,UR,TECH,TGEN,ENRG

SUBJECT: US-USSR ATOMIC ENERGY AGREEMENT: (07.0302)
IMPLODING LINER EXPERIMENTS

1. PLEASE GIVE FOLLOWING LETTER TO G. A. ELISEEV
(KURCHATOV) WITH COPY TO D. F. KHOKHLOVA (SCAE).

2. 07.0302 - 23 JUNE 1977

DR. G. A. ELISEEV
STATE COMMITTEE FOR THE UTILIZATION
--OF ATOMIC ENERGY
KURCHATOV INSTITUTE OF ATOMIC ENERGY
46 ULITSA KURCHATOVA
MOSCOW, USSR
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DEAR YURI:

SUBJECT: IMPLODING LINER EXPERIMENTS

DURING THE RECENT JFPCC VISIT WE DISCUSSED AN EXCHANGE,
SUGGESTED BY DR. VELIKHOV, WHICH WOULD SEND A GROUP FROM

LOS ALAMOS TO MOSCOW THIS SUMMER TO WORK WITH DR. ALIKHANOV AND HIS GROUP TO DO PRELIMINARY DESIGN WORK THAT COULD LEAD TO A COOPERATIVE IMPLoding LINER EXPERIMENT MAKING USE OF SOVIET PHYSICS EXPERIENCE AND THE SCYLLAC CAPACITOR BANK AT LOS ALAMOS. WE WOULD DO THIS UNDER OUR EXCHANGE AGREEMENT BY SUBSTITUTING THIS EXCHANGE FOR THE T-10 EXCHANGE (NO. 2) WHICH WAS POSTPONED UNTIL NEXT YEAR BY THE JFPCC.

WE HAVE CONTINUED OUR DISCUSSIONS AND WOULD LIKE TO SEND DRS. ARTHUR SHERWOOD, THOMAS JURBOE AND ROBERT MALONE FROM LOS ALAMOS, DR. A. ROBSON FROM THE NAVAL RESEARCH LABORATORY AND DR. SADOWSKI FROM ERDA/DMFE. SOME OF OUR GROUOP WILL NOT BE ABLE TO COME BEFORE LATE AUGUST BECAUSE OF OTHER COMMITMENTS AND AS WE UNDERSTAND THAT AUGUST IS VACATION MONTH IN MOSCOW IT WOULD ALSO BE BEST TO WAIT UNTIL THE SOVIET PARTICIPANTS WILL ALL BE AVAILABLE.

WE BELIEVE THAT THE EXCHANGE SHOULD PRODUCE A CONCEPTUAL DESIGN AND A WRITTEN SUMMARY REPORT. DETAILED ENGINEERING DESIGN WOULD BE DONE AFTERWARDS AT LASL. OUR TEAM IS MOST ANXIOUS TO OBTAIN A DETAILED UNDERSTANDING OF THE SOVIET WORK WITH IMPLoding LINERS IN ORDER TO BE ABLE TO MAKE THE BEST POSSIBLE MATCH BETWEEN THE LASL FACILITIES AND THE PROPOSED EXPERIMENT. WE WOULD LIKE TO SUGGEST AN IMMEDIATE EXCHANGE OF PAPERS TO ENABLE BETTER PREPARATION FOR THE VISIT.

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WOULD YOU PLEASE PROVIDE YOUR COMMENTS ON THE DATES AND AGENDA AS SOON AS POSSIBLE SO THAT WE CAN START THE FORMAL PROCEDURES TO IMPLEMENT THE EXCHANGE? IT WOULD ALSO HELP GREATLY TO HAVE A SPECIFIC SOVIET CONTACT FOR THIS EXCHANGE WHO COULD BE REACHED BY TELEPHONE FOR DISCUSSIONS OF TECHNICAL AND PROCEDURAL DETAILS.

BEST REGARDS,

ROBERT L. BINGHAM

COORDINATOR FOR PLANS

DIVISION OF MAGNETIC FUSION ENERGY

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